

The Greenwood Science (STEM) Fair is coming up on **Friday, February 3rd**. The majority of this REQUIRED project is to be completed at home. Students may work individually or in groups of 2. The students will follow the attached Scientific Method and will be judge by the attached form. Please sign below that you as a parent will help your child and follow these guidelines.

\_\_\_\_\_  
Child's Name

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Child's Name

\_\_\_\_\_  
Parent Signature

My Science Fair Question (that will be answered through doing an experiment) is: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

**THIS IS DUE ON FRIDAY, JANUARY 6<sup>TH</sup>!**

Teacher Approved \_\_\_\_\_ Try Again \_\_\_\_\_

## **School Science Fair Information and Instructions**

The Greenwood Elementary Science (STEM) Fair will be on  
Friday, February 3, 2017 from 1:15 to 3:30 pm

### The Agenda:

- 1:15 – 1:30 pm – Set Up
- 1:30 – 2:30 pm – Judging
- 2:30 – 3:00 pm – Viewing by younger Grades
- 3:00 – 3:25 pm – Viewing by Parents
- 3:15 – 3:30 pm – Award presentations and Clean Up

Students may work individually or in pairs.

Students should follow the Scientific Method when working on their Science Fair Project and have at least 2 resources (a competent web site, magazine article, or book) to assist in their project.

### **The following are the 6 Steps to the Scientific Method and an example Science Fair Project Plan:**

#### 1. Ask a Question

Which paper towel is the most absorbent?

#### 2. Research Topic

Check *Consumer Report* or *Good Housekeeping* to see what they say is the most absorbent paper towel.

#### 3. Form Hypothesis

I think that the most expensive brand is the most absorbent paper towel.

#### 4. Test Hypothesis or Perform Experiment

Try using at least 4 brands of paper towel and see how much water each one will hold without dripping.

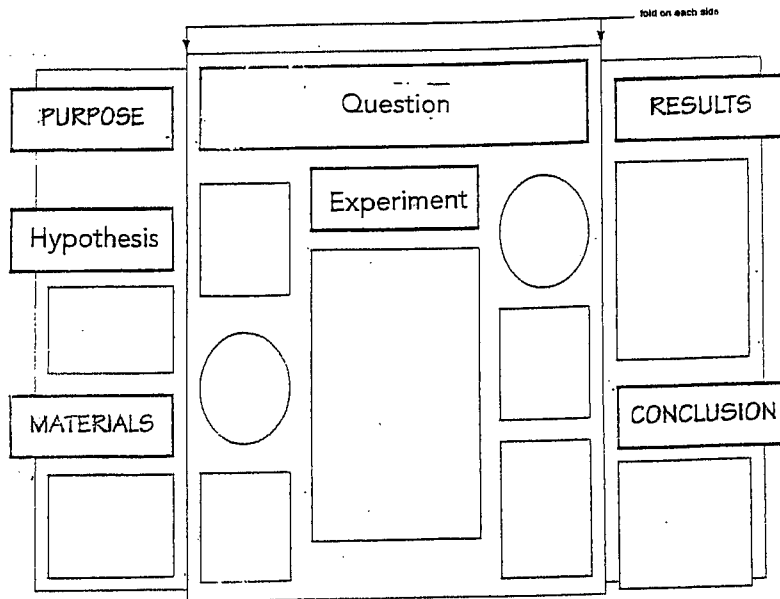
#### 5. Analyze the Results

Write down and compare the results of the experiment (a colorful graph helps with this).

#### 6. Draw Conclusions

Figure out why the experiment ended up the way it did (maybe thicker fibers or layers in the paper towel).

This is a model of how to display a Science Fair Project:



This is a copy of the judging rubric that will be used for scoring:

Criteria	Scale 1= Beg. Level 4= Advanced	Score
<b>Scientific Thought:</b> - Question / Problem is clearly stated - Procedure / Methods well thought out and organized - Data / Results are Clear	1    2    3    4	Scale x 2
<b>Creative Ability:</b> Project is creative and original	1    2    3    4	Scale x 1
<b>Thoroughness:</b> - Adequate data collected - Conclusions based on multiple trials - Background research completed	1    2    3    4	Scale x 2
<b>Skill:</b> - Majority of completed project and writing completed by student(s)	1    2    3    4	Scale x 1
<b>Clarity:</b> - Follows the Scientific Method in order - Few or no spelling / grammar errors	1    2    3    4	Scale x 1
<b>Total:</b> (Out of 28 Possible)		